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UNIVERSITY OF ALBERTA ALUMNI ASSOCIATION



Summer '83

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Homecoming '84

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you saw your classmates. Even
if it has only been one year,
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at ...

Homecoming '84

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occupancy)

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Be sure to mention U of A
Homecoming '84 when making
reservations.

Schedule of Events

Friday, September 28

8:00 - 10:00 p.m. Wine Tasting at the Faculty Club

Saturday, September 29

9:00 - 9:30 a.m.
9:30 - 10:30 a.m.
11:15 - 14:15 a.m.
Noon - 1:30 p.m.
1:30 - 4:30 p.m.
2:00 - 3:00 p.m.
6:30 p.m. - 1:00 a.m.

Tuck Shop Cinnamon Buns at Athabasca Hall
Campus Tours leaving from Athabasca Hall
Lecture by Dr. John Paterson, Education Centre
Lunch at the Power Plant
Special Exhibition at the Ring House Gallery
Tour of the Mackenzie Health Sciences Centre
Reception, Dinner and Dance, Westin Hotel

On Sunday, September 30, a special brunch, hosted by
President and Mrs. Horowitz, will be held for the 50 and
60-year graduates.

Homecoming '84

Mail to

**University of Alberta
Alumni Association
430 Athabasca Hall
Edmonton T6G 2E8**

Order tickets by telephone,
(403) 432-3224, or use this
form. Mail orders must be
received by September 14.

Please send me tickets for the following Homecoming events:

_____ Wine Tasting tickets at \$10 per person \$ _____

_____ Power Plant Lunch tickets at \$10 per person \$ _____

_____ Dinner and Dance tickets at \$25 per person \$ _____

A cheque or money order for the total following is enclosed . . . \$ _____

Count _____ of us in for Cinnamon Buns & Coffee (\$1 per person at the
door) on Saturday morning.

Name _____

Address _____

_____ Postal Code _____

The University of Alberta Alumni Association

430 Athabasca Hall
University of Alberta
Edmonton, Alberta
Canada, T6G 2E8
(403) 432-3224

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New Trail

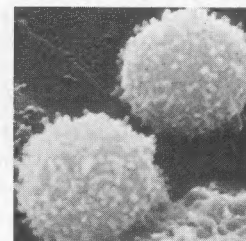
Volume 39 Number 1

Summer 1983

Contents

8 Good Guys Gone Bad

New research findings confirm that the most severe form of diabetes results from an attack on the body's insulin producing cells by the very body system which exists to combat disease.

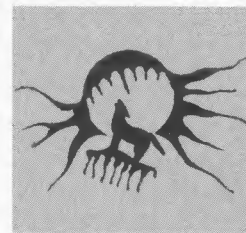


22 Recognizing Research Excellence

Researchers from opposite ends of the University spectrum were the winners of the 1984 Research Prizes. Engineer Norbert Morgenstern and Musician Gerhard Krapf were honored by their peers for their very different contributions to research excellence at the University of Alberta.

26 Building Bridges Between Cultures

Bridge-building is an important aspect of the work being done by the Office of Native Affairs in its continuing efforts to bring Natives and the University closer together.



Departments

The Editor	4
Memories	6
Imagery	7
Campus Reporter	11
Association News	15
Class Notes	17
An Alumnus	30

Cover

The work of Edmonton painter Adeline Rockett is featured in "Imagery", a new department which will feature the accomplishments in visual art of graduates of the University of Alberta. The original of the work reproduced on the cover was painted in acrylics as part of her recent "Spring Thaw" series.

The Editor

Numbers

FRIDAY THE 13TH IS SUPPOSED TO BE the day of ill fate. And certainly for hundreds of Alberta high school students Friday, April 13th of this year was just such a day. On that day the Governors of the University of Alberta gave their approval to a resolution which will result in hundreds of students who would have been welcomed into the University in years past being turned away.

The unprecedented measure, which will limit "freshman" enrollment to 4,500 students in the coming year, was deemed necessary due to a lack of sufficient resources to prevent a deterioration in the quality of education at the University.

It has been suggested that 13 (there's that number again) hundred students who would have qualified for entry in September 1984 will be turned away one year later. And only time will tell the exact number turned away. Enrollment forecasting is not at the best of times an exact science, and an unknown factor introduced this year (and a factor which played a part in the Governor's decision) is the fact that the Universities of British Columbia and Simon Fraser to the west and Calgary to the south have adopted measures which will limit their enrollments in the coming year.

It is ironic, but thoroughly fitting, that the Governor's climatic decision should have come on the 13th; for in so many ways numbers have shaped the events leading up to the decision and are now, in fact, in control.

The ever-increasing enrollment

numbers of the '60s, the falling registration numbers in the '70s, and then the rapidly-increasing enrollment numbers of this decade, all have played their part. At one point in the '60s the University developed a long-range campus plan for a campus of 30,000 students. The ink on that had scarcely dried when the provincial government let it be known that it supported an enrollment ceiling of 25,000 for the U of A. Just as the University was getting set to plan accordingly, the enrollment numbers began to level off and even fall. It very much looked as if the 25,000-student of U of A might never materialize or was, at least, a long ways distant; and more immediate problems pushed their way to the forefront.

But suddenly things changed, and the University is now restricting its enrollment, which unchecked could have grown to well beyond 25,000 students in the coming year. (The restrictions are not necessary, says the provincial government, but from where I sit — right in the middle of campus, admittedly — the University's case seems more than compelling.)

The tragedy is that numbers — student numbers and dollar numbers — are now not only shaping but dictating decisions. The University is forced to limit its growth without it or anybody else having given due consideration to the vast implications of restricted enrollment at Alberta's largest post-secondary institution, or to the manner in which the enrollment could best be limited.

I don't think that anyone in particular is to blame — the people of higher education are not the only ones who failed to foresee the pricking of the economic bubble which has resulted in students bulging the seams of post-secondary institutions throughout the country — but it is going to take a great deal of co-operation among the University, Alberta's higher education community in general, and the provincial government to adapt the province's advanced education system to best serve the interests of the people of Alberta in light of the new reality.

Meanwhile, I feel very sorry for those would-be students who are the

victims of this particular numbers game.

THIS IS A NEW VOLUME OF *New Trail* and you may notice some changes. It has now been two years since the Alumni Office took the magazine back under its wing, and the changes in this newest *New Trail* reflect the developing character of the magazine. (The same thing is happening at home with my two-year-old son — "Terrible Twos" they call it.)

In this and coming issues of the magazine we hope to further celebrate the accomplishments and abilities of U of A graduates. To that end we have established "Imagery", which will regularly showcase accomplishments in the visual arts by alumni. In this issue we feature work by painter Adeline Rockett. Please feel free to write or phone with suggestions as to artists whose work — be it painting, sculpture, photography, weaving, or whatever — we might celebrate in future issues. And don't be shy about letting us know of your own accomplishments.

If your talents lie in the literary realm, you will be interested in our fiction contest. There are two \$500 prizes to be won, so it's worth considering. One prize will go to an alumnus, another to a student enrolled in the coming year.

I might also mention that we have broadened our coverage of campus happenings somewhat with some short items that give a flavor of what a busy place our University is. I hope the changes are to your liking, and if you have any suggestions about other directions the magazine could take, please let us know.

I sincerely appreciate your support in the past and I would especially like to thank all of those who have taken the time to send us voluntary subscriptions.

We are also very happy to be resuming our mailing to all graduates living outside Canada. We're glad to be back in touch.

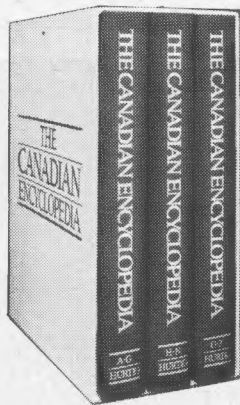


Rick Pilger

Free!

The Graduate Students' Association of the University of Alberta is now offering FREE Summer Social Memberships (1984) to the Power Plant Restaurant and Lounge to all the University of Alberta Alumni. For details and registration contact:

Graduate Students' Association
206 North Power Plant
U of A
432-2175



FINAL NOTICE TO ALL U OF A ALUMNI The Canadian Encyclopedia Special \$99 Offer Ends June 30, 1984 *IT WILL NOT BE REPEATED!*

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Memories

The Dance

by E. Silver Keeping, '23 BSc, '24MSc

SO LONG AGO THAT WE HAVE NO WRITTEN record of the event, a young king of Egypt and his wife died and were sealed in cloths and gold wooden cases and were carried beneath a pyramid where they were left undisturbed for many generations.

One day robbers entered the chamber. They left chaos behind them, but did not disturb the king or queen.

Then in modern times (about 60 years ago) archeologists broke into the secret room. They saw the throne, the coffins, and the shrouds. They photographed it all.

Their account and their pictures in the Illustrated London News made a great sensation at the time. I was most excited by it all.

At the University of Alberta I happened to be in charge of decorations for the Junior Prom, and I decided that the theme would be "Egypt".

Athabasca Hall was suitably decorated. Pillars made of barrel hoops and brown paper with palm capitals were built along the walls. Winged discs stretched across the ceiling. Pink lotus buds trailed along the tables.

When the guests arrived, a dancer



dressed (undressed?) as I thought suitable according to the books in our library stacks appeared and made oriental writhing movements. The boys moved in a close circle around her for a better view. The president, the chancellor, and their group hurriedly left the hall.

However the band played on, and we all danced.

From decorations 1922 and the hieroglyphic for the "dance".

Thinking about it the following day, I wondered if I had done something wrong. I thought, "Maybe I should visit the provost before he sends for me."

So I called and told him all. He said, "I wish I had been there!" ◁



Pack Your Bags!

The Alumni Association has organized four exciting travel opportunities.

San Francisco and the Nappa Valley

Visit the city on the Bay and sample the wines of the Napa Valley
October 4 - 8, 1984 Price to be announced

Trans-Canal Christmas Cruise

Enjoy a luxury cruise as you sail from Acapulco to San Juan, Puerto Rico
December 19 - 29, 1984 From \$3,680

Passage of the Czars

After visiting Moscow, cruise the Black Sea, the Dneiper and the Danube
†June 7 - 23, 1985 From \$4,025

Cote du Rhone Passage

Experience the heart of France and visit dazzling Monte Carlo
†August 13 - 25 \$3,095

†Dates subject to confirmation



Spring Thaw - Ditch

Adeline Rockett, '74 MEd

Adeline Rockett was born near Saskatoon, Saskatchewan. She received BA and BEd degrees from the University of Saskatchewan and a master's degree in art education from the University of Alberta. She has also held teaching positions at both universities.

A member of the Canadian Society of Painters in Watercolour, she was one of 12 artists whose work was chosen by the Alberta Art Foundation for full scale reproduction to accompany Art Education Teaching Kits distributed to the schools of Alberta. Her work is also represented in numerous public and corporate collections throughout Canada.

Good Guys Gone Bad

Exciting Times in Diabetes Research

Dr. Martine Jaworski is addressing a branch meeting of the Canadian Diabetes Association. Her topic is "New Frontiers in Insulin-Dependent Diabetes Research." Throughout her discussion she has been referring to slides projected to the front of the auditorium. Her audience has had to make an effort to understand some of them, but they have gladly done so; for diabetes has touched each one of them intimately.

Then a slide of a different sort comes into focus – a cartoon. A plainly bewildered hiker, deeply surrounded by forest, studies an opportunely-placed sign. Next to a prominent x on the sign is the message "You are here, and you are lost." That, says Dr. Jaworski, pretty much describes the state of research into the prevention and reversal of diabetes entering the 1980s – but it is no longer true. Signs now point to a path out of the wilderness.

"We are on the threshold of a revolution as great as that ushered in by Banting and Best in the '20s," she says.

Prior to the isolation of insulin by the Canadian researchers in 1921, starvation therapy was the only means to extend the life of the child who developed diabetes, but that bought only a few agonizing months. Insulin treatment gave the juvenile-onset diabetic a chance at a normal life. "But it is not a cure," Dr. Jaworski stresses. She describes it as a holding measure, a means to keep the diabetic metabolically stable. All of the dread complications of the



Despite their appearance, the round and fuzzy lymphocytes revealed by the electron microscope are fierce warriors. In the foreground photograph is Dr. Jaworski.

disease – blindness, possible kidney failure, neurological problems, and the possibility of early death due to coronary artery disease – still lurk uncomfortably close at hand for the insulin-dependent diabetic.

(It is important to distinguish between the two basic types of *diabetes mellitus*: that which almost always manifests itself before the affected individual reaches young adulthood, and the more-readily-controlled type which develops in later life. The former is known variously as *insulin-dependent*, *juvenile-onset*, or *ketoacidosis-prone*; the latter is known as *insulin-independent* or *adult-onset*. Dr. Jaworski's research deals almost exclusively with the insulin-dependent disease – often known by the abbreviation IDDM.)

The encouraging signs facing diabetes researchers today come largely from Dr. Jaworski's field of

study, immunogenetics. While it has long been suspected that diabetes somehow involved the phenomenon of auto-immunity, only in recent years have advances in immunological techniques made it possible to confirm this. For some reason as yet unknown (but it seems almost certain that somehow a virus is involved) in the IDDM patient the body system which exists to combat foreign invaders has run amok. The immune system, normally tolerant of all that is "self", turns upon the body it defends. With the same diligence and efficiency that they attack foreign invaders – bacteria, viruses, fungi, etc. – the legions of warrior cells of the immune system destroy the body's insulin factories, the beta cells of the Islets of Langerhans in the pancreas. It is as if the good guys have suddenly and inexplicably gone bad. Without insulin the body is unable to properly process the food material that it carries in the bloodstream, and the trauma of diabetes ensues.

Genetics-based research is also contributing to the understanding of the puzzle that is IDDM. Dr. Jaworski and her colleagues have shown that a majority of insulin-dependent diabetics and 25 per cent of their healthy immediate family members have abnormal regulation of cellular immune responses, and these abnormalities tend to be associated with two human transplantation tissue types (those known as HLA DR3 and HLA DR4). Taken together with information gleaned from study of other autoimmune diseases, this points to IDDM, or at least some form or forms of IDDM, being genetically determined. To pursue this further, Dr. Jaworski has initiated a number of expanded family and population studies which are currently in progress. These are in conjunction with the consortium for diabetes research which she initiated among four co-operating Edmonton hospitals. Eventually she hopes to see a collaborative network from coast to coast in Canada.

Diabetes Mellitus is now recognized as a common and universal disease. Paradoxically, the more that medical sciences learns about the disease, the more difficult it is to provide a satisfactory definition for it. The text *Joslin's Diabetes Mellitus* offers the following as a simple and direct description: "Diabetes mellitus is a chronic, hereditary disease characterized by an abnormally high level of glucose in the blood and the excretion of that sugar in the urine. The basic defect is an absolute or relative lack of insulin which leads to abnormalities of metabolism, not only of carbohydrate but also of protein and fat."

It would seem that diabetes has been around almost as long as has man. Egyptian texts as early as 1550 AD describe the disease. A text from 1000 AD makes reference to an affliction of persons who passed large amounts of honey-colored water. Later writing describes afflicted persons with sweet urine which attracted dogs and ants. It is in ancient oriental texts that the association of the sweet-urine disease with boils and pimples is made.

The cause of the disease has puzzled physicians for thousands of years, leading to some interesting speculation. One early writer attributed it to excess food, sex and alcohol. Aretaeus of Cappadocia (30-90 AD) described the disease as "a melting down of the flesh and limbs into urine," and thought the kidneys and bladder to be the primary causes of the condition because of the incessant passing of water by the patients.

Aretaeus referred to the condition as *diabetes*, which comes from a Greek word which means "to pass through a siphon." Later the Latin word *mellitus*, "sweetened with honey," was added.

A significant advance in the understanding of diabetes was made by Langerhans in 1869 when he discovered the islets in the pancreas which were later given his name and are the site of the body's insulin-producing activity. Twenty years later, two German researchers, Oscar Minkowski and Joseph von Mering proved that diabetes could be induced in animals by surgical removal of the pancreas.

The first truly significant advance in diabetic therapy prior to insulin came in 1912 when an American, Frederick M. Allen introduced the "Allen Starvation Treatment." It was the best that Medicine could do until what has been described as one of the greatest lifesaving miracles of the ages occurred in 1921 when Canadian researchers led by Banting and Best isolated insulin. Another step forward was taken in the early 1950s when Dr. Marcel Janbon in France noted that some new sulfa derivatives being investigated for possible antibacterial activity caused hypoglycemia (lowered blood sugar). That led to the development of oral hypoglycemic agents which have been particularly useful in treating the type of diabetes that develops in later life. The advent of oral hypoglycemics greatly stimulated diabetes research, with scientists attempting to determine precisely how these new drugs worked. But despite all of the attention that modern medical science has given the disease and all that has been learned, the exact cause of diabetes mellitus still remains a mystery. It is one that is sure to be pursued however; based on studies done in the U.S., it is estimated that about 25 per cent of the population either have diabetes, will develop diabetes, or have a diabetic relative.

Dr. Jaworski is confident that an improved understanding of IDDM will translate into better methods of treatment and eventually a cure. Already, a drug that has been used to prevent rejection of transplanted kidneys is causing great excitement among diabetes researchers. The drug, known as cyclosporin A, has been shown to inhibit the immune system attack on the insulin producing beta cells of the pancreas, apparently by preventing those white blood cells whose function it is to initiate an immune system attack (precursor lymphocytes) from maturing into the cells (effector lymphocytes) capable of mounting the attack.

The inherent promise of cyclosporin A is that of a means to contain or prevent extensive damage to the beta cells through treatment at the very earliest stages of the disease or – if refinement of the genetic work makes it practical – prior to any manifestation of the disease or any damage. But there are inherent difficulties as well – not the least of which is the fact that cyclosporin A inhibits many other immune responses, leaving the treated individual vulnerable to all sorts of infection. And the drug has some nasty potential side effects, including kidney and liver damage and, in very rare cases, tumors of the lymphoid system. In spite of its drawbacks, cyclosporin A is being used by researchers in different parts of the world in clinical pilot studies with humans. In addition to her clinical studies of families with diabetes, Dr. Jaworski is also investigating cyclosporin, but in her studies she uses the BB Wistar rat, a strain of rat which develops spontaneous diabetes in a manner that corresponds almost exactly to the development of the disease in humans. Not only is this a happy arrangement from an ethical point of view – she doesn't feel that she could ethically use human patients for her work – but the compressed life span of the rat allows the study to progress at a rate 10 to 20 times faster than would be possible with human subjects.

Dr. Jaworski's work with the BB Wistar rat has yielded interesting results. The breeding of the animals with which she works is such that genetically they are, in effect, almost identical twins. Untreated, 70 per cent of them will develop diabetes. In her studies, Dr. Jaworski randomly selected animals for treatment and control groups. While those animals in the control groups developed diabetes at a rate corresponding to the norm (70 per cent), the rats which were administered cyclosporin A did not experience beta cell damage. These results provide further important indirect evidence of the involvement of the immune system in diabetes. And they provide hope for the future of diabetics.

It is not cyclosporin A itself on which Dr. Jaworski is pinning her hopes but on some refined version of it. "Penicillin was a pretty crude drug when it was first used," she points out. "Now there are hundreds of varieties."

DR. MARTINE JAWORSKI is an associate professor of pediatrics in the Faculty of Medicine. She is a graduate of McGill and Johns Hopkins Universities, having earned a BA degree with joint honors in economics and political science from the former in 1970 and a medical degree from the latter in 1974.

Prior to coming to the University of Alberta in 1979, she was a Medical Research Council Fellow working in the Transplantation Laboratory, Royal Victoria Hospital, McGill University. Previously she had been associated with the Montreal Children's Hospital, McGill University, first as an intern and later as a resident in pediatrics, and then as a clinical fellow in endocrinology.

From 1979 until accepting her current appointment in 1982, Dr. Jaworski was employed with the MRC Group in Immunoregulation based in the U of A's department of immunology and held an appointment as a clinical instructor in the department of pediatrics. Her current research is carried out as part of the multidisciplinary program of the Muttart Diabetes Research and Training Centre at the University. Additional funding comes from MRC and several other Canadian and American agencies, including the Kroc Foundation and the Banting and Best Foundation. A scholarship and establishment grant from the Alberta Heritage Foundation for Medical Research provided start-up money for both her clinical and animal work.

One purpose of the family and population study in which she is involved is immunogenetic screening to inform parents of a child who already has diabetes about the chances of their other children developing the disease, thereby allaying some serious anxieties.

In recent months, Dr. Jaworski has reported the results of her research in Japan and in Rome. Her participation in the prestigious Fifth International Congress of Immunology, held in Japan last summer, included an appearance on Japanese television's English-language network.

She is confident that soon a new immunosuppressant that is much more selective and much less dangerous will be ready for enlistment into the war against diabetes. "We can now say with a certain degree of confidence that life will be very different for diabetics in the late '80s and '90s," she tells her audience at the Edmonton branch meeting of the CDA.

Throughout her address, Dr. Jaworski's manner is straightforward and matter of fact, at times almost professorial, but her enthusiasm continues to shine through. Clearly, it is an exciting time to be in medical research, and in diabetes research in particular. In Dr. Jaworski's words, "The opportunity to bridge the gap between the test tube and the bedside has never been better." ◁

Campus Reporter

Enrollment Restricted

FOR THE FIRST TIME IN ITS HISTORY, THE University of Alberta will turn away interested and qualified high school students.

As a result of a resolution passed at the meeting of the University of Alberta Board of Governors held on April 13, admissions of "freshmen" to first-year programs will be restricted to 4,500 in September 1984. It is estimated that this will result in about 1,300 students who would have been granted entry in September 1983 being turned away.

(It should be noted that enrollment quotas have long existed in certain programs such as law, business, medicine and so on. Further, a decision to raise the minimum average necessary in required Grade 12 subjects from 60 per cent to 65 per cent had been made earlier, and that in itself would have excluded about 800 of the estimated 1,300 who will be turned away.)

While the decision has created some controversy, with the provincial minister of advanced education claiming that the move was not necessary, at their meeting of April 13 it was clear that the Governors were convinced otherwise. At the meeting an attempt to modify the resolution to lay the blame for the lack of sufficient funding at the door of the provincial government was only narrowly defeated.

A statement clarifying the University's position on the enrollment restrictions and providing details of how the quota is to be administered will be found elsewhere in the magazine.

Project Begun

IN A RARE CONTRACT AGREEMENT, THE University of Alberta and Summa Biomedical Canada have embarked on a collaborative venture that will see Summa set up laboratory and office facilities on the University campus.

Research aimed at the development of a diagnostic test for cancer is the thrust of the interdisciplinary pro-

ject that will have University and Summa research scientists working in a "side-by-side" relationship unique in Canada.

Principal scientific consultants for the project are Mike Longenecker (Immunology), Tony Noujaim (Pharmacy), and John Barrington-Leigh (Summa). Their research will focus on the use of the laboratory-produced monoclonal antibodies known as MAbs, which scientists predict may revolutionize the diagnosis and treatment of cancer. They hope to develop blood and urine tests that could be routinely used with persons considered susceptible to certain types of cancer.

Under the terms of the contract signed in March, the Summa project is

to be exclusively research oriented, with no product manufacturing taking place on campus (except in connection with limited clinical trials). Initially, research findings will be fed to Albuquerque, New Mexico, where Summa's parent company has extensive facilities. In time, however, Summa hopes to establish a manufacturing facility in Edmonton. The contract also provides for the University to receive a fixed percentage of the gross profits once manufacturing of a diagnostic kit begins.

The arrival of Summa on campus is regarded as an important example of university-industry interaction. A recent visitor to the Summa facility on campus was Stuart Smith, president of the Science Council of Canada. He

Announcing the first-ever ALMA MATER FICTION CONTEST

Alumni and students of the University of Alberta are invited to submit short works of fiction (fewer than 3,000 words), which have not previously been published, for judging in the Alma Mater Fiction Contest. Two winning entries will be chosen, one from among the alumni submissions, the other from the student entries. Each winner will receive a prize of \$500 and the winning entries will be published in *New Trail*.

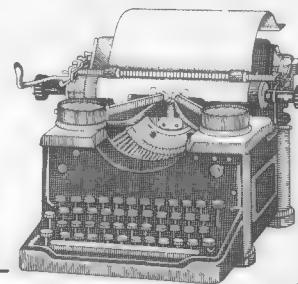
Contest regulations and entry forms are available from the Alumni office.

Deadline for Alumni Entries: August 30, 1984

Deadline for Student Entries: November 15, 1984

Sponsored by *New Trail* magazine with support from the Alma Mater Fund in promotion of literary achievement in the University community.

Two \$500 prizes.



hailed the collaborative project as a "model for technology transfer."

According to Dr. Barrington-Leigh, Summa's vice-president, operations, the U of A was chosen for the project because its technology is at a "unique stage of development. There is really nowhere else that presents us with such tremendous potential for success."

Killam Prize to Physicist

"DR. ISRAEL'S REMARKABLE ACHIEVEMENTS have won him an international prominence which has been a credit to Canada's scientific community. Although the Killam Prize is intended to honor Dr. Israel, we also recognize that Dr. Israel's outstanding reputation for scientific excellence enhances the stature of the Prize."

With these words, Maureen Forrester, chairman of the Canada Council, presented the \$50,000 Izaak Walton Killam Memorial Prize, to University of Alberta Physicist Werner Israel at a reception held at the University in March.

Dr. Israel is best known for his research into "black holes", which result from the gravitational collapse of a star. Although he was first associated with the discipline of applied mathematics, his work gradually brought him to the study of theoretical physics and astronomy. For many years now he has concentrated on the properties of matter inside stars and the interrelation between space, time and matter. His research has brought him worldwide acclaim, and he is recognized as one of the most important theoretical physicists of the day.

A native of South Africa, Dr Israel studied at the Universities of Cape Town and Trinity College, Dublin. He joined the University of Alberta's mathematics department in 1958 and moved to the physics department in 1972. He is a fellow of the Royal Society of Canada, was recognized by the Canadian Association of Physicists with their Medal of Achievement in 1981, and was a 1983 winner of a University Research Prize.

The Izaak Walton Killam Memorial Prize in Science, Engineering and Medicine, established in 1981, is administered by the Canada Council using

funds provided by the late Dorothy J. Killam.

Institute Begins Archives Project

THE UNIVERSITY-BASED CANADIAN INSTITUTE of Ukrainian Studies has undertaken a project that will have an important influence on the future of academic research pertaining to Slavic studies and especially to the history of Ukraine and Ukrainians in North America.

The project will involve the preparation of a published guide to archival/manuscript materials, the establishment of a constantly-updated computer data base, and the acquisition of primary resource material. In conjunction with this the Institute will sponsor summer internships at leading archival institutions and scholarships for archival science students interested in "ethnocultural" and specialized collections.

Another important part of the "Archives Project" is its community dimension. The Institute hopes that the project will encourage organiza-

Around and About

COMPUTING SCIENCE STUDENTS BRIAN BRAY, Stuart Lomas, Don Reble and Dan Wilson combined their talents to place third among 22 university entries in the International Scholastic Programming Contest held in Philadelphia. Earlier the U of A team earned the right to compete by winning the regional contest held in New Mexico.

WALTER JULE OF THE DEPARTMENT OF ART and design in the Faculty of Arts is one of two Canadians invited to represent Canada in the prestigious Fifth Biennale de Gravure de Bonsecours in Belgium. Professor Jule will be one of 47 artists from 16 countries represented in the exhibition.

THE MICRO-SURFACE LATHE USED BY THE department of electrical engineering to manufacture laser components for use in infra-red optics is the only one of its kind in Canada, and one of only a handful in the

world. It has been in operation just over a year now and is capable of precision cutting as fine as one millionth of an inch.

THE JAPANESE GARDEN AT THE UNIVERSITY of Alberta Devonian Botanic Garden is now known as the Kurimoto Garden in honor of the late Yuichi Kurimoto, who graduated from the U of A in 1930 and later founded the Nagoya University of Commerce and Business Administration in Japan.

AT AN APRIL WORKSHOP DEVOTED TO THE customs of the Haida, Kwagiutl and other West Coast tribes, participants learned how important a tree the cedar was to the people of these tribes from birth to death - they relied on it for everything from baby diapers to grave boxes.

TRAILS USED BY SOME 600 TRAPPERS IN A 500,000 square-mile area of northern Canada have given University anthropologist Michael Asch valuable land-use information and aided the Dene Nation in its land claims. With the help of a computer program specially designed for the projects, 140 original

maps drawn by the Dene have been correlated, and each trail has been carefully examined for information about wildlife species, the frequency of hunting and trapping, and the form of travel used on the trails.

U OF A INDUSTRIAL DESIGN STUDENT KEVIN Mar recently won first prize at the First National Exhibit Design Competition held in Toronto. Entrants were required to design and construct a three-dimensional scale model of an exhibit for a "client" of their own choosing, and to provide working drawings, an image board presenting visual research, and written rationale for the design decisions.

SPEAKING TO MEMBERS OF UNDO, THE U OF A group recently formed to promote world peace, University of Toronto chemist John Polanyi suggested that outer space is the last remaining common ground and that the prevention of an arms race there is the "test case of our ability to act sanely." Dr. Polanyi was on campus to deliver one of the inaugural lectures in the series estab-

tions and individuals to preserve primary source material, and it will offer advice on the housing of these. Also as part of the project, oral histories are being collected.

Alumni Giving Encouraged

"THERE'S A WHOLE LOT MORE TO IT THAN just writing a cheque," says Margaret Clarke. "Meg" is discussing alumni giving, a subject to which she, the newest member of the University of Alberta's fund-raising team, will be giving a great deal of attention in the coming months.

She has strong feelings on the subject: "If people become financially committed, they become committed in other ways, and we need alumni participation in the University.

"I think it's a good thing for our society to realize that we have pushed government funding almost to the limit... to not immediately look to government but make a personal commitment to the things we believe in. We've all got to help.

"I really believe that the quality of



Meg Clarke

life in Alberta is intricately related to the quality of the University. It touches everybody. And even a small donation, means that someone is personally involving themselves. And that's a good thing."

The new associate director, alumni giving, has 14 years of fund-raising experience in Edmonton. Since coming to Edmonton in 1970 she has been an active volunteer with the Edmonton Symphony Orchestra, and is currently its president, the first person ever to work up "through the ranks" of

volunteers to the presidency.

Mrs. Clarke is a graduate of the Universities of Kansas and Chicago, and is no stranger to the University of Alberta, having obtained a diploma in education (PDAD) from the University in 1971 and having taught in the history department as a sessional lecturer.

For the past five years she has worked at the Provincial Museum of Alberta. There her responsibilities included the research, preparation and interpretation of the varying displays.

She is looking forward to her new job, in which she will be working closely with the Alumni Association. She thanks alumni for their contributions in the past, particularly to the 75th Anniversary Campaign, which is now winding down, and has some new things planned for the future. These include the President's Club for those who make substantial donations to the University. The Club's inaugural dinner is to be hosted by President Horowitz on October 25. She is also at work on plans for a parent's association, which will get non-alumni parents of students involved in the University, and for a student alumni group.

lished by the Alberta Research Council in recognition of the University's 75th Anniversary. The first lecture in the series was presented by James Ham, a past president of the University of Toronto.

THE FIRST VOLUME OF THE *ANNALS OF THEORETICAL Psychology* recently appeared in print. The editors of the new journal are Joseph Royce and Leendert P. Mos both of the U of A's Institute of Theoretical Psychology.

A CENTRE OFFERING INDUSTRY AND INDIVIDUALS "going abroad" an opportunity to learn more about the country of their destination recently opened its doors on campus. The International Briefing Centre is a self-funding operation located on campus because of the resources available and the international flavor of the community.

CHEMISTS HSING-JANG LIU, DALLAS RABENSTEIN, and Fraser Birss received some good news in past months. Dr. Liu received one of two 1984 awards granted by the Canadian National Committee of the Interna-

tional Union of Pure and Applied Chemistry to assist young scientists beginning to have an international impact. Dr. Rabenstein, who has devised a method for measuring the pH inside the living cell, is to receive the 1984 Fisher Scientific Lecture Award from the Chemical Institute of Canada. And Dr. Birss is the recipient of the Union Carbide Award for Chemical Education.

A GRANT OF ALMOST \$150,000 FROM THE International Development Research Centre is supporting a collaborative research project being undertaken by the U of A in co-operation with Zhongshan University of the People's Republic of China. The research is aimed at developing an optimal system for inducing spawning in fish species of importance to Chinese aquaculture.

PROFESSOR EMERITUS VIOLET ARCHER WAS IN Ireland in early May for the world premier of her choral work which had been commissioned by the International Choral and Folk Dance Festival, held in Cork from May 2 to 6. A travel grant from the Canada

Council made the trip possible.

IN MARCH, ALFRED FISHER OF THE DEPARTMENT of music was in New York for the performance of his "Fantasypieces" by American pianist David Burge at Alice Tully Hall, Lincoln Centre.

SOCIOLOGIST GORDON HIRABAYASHI, PROFESSOR emeritus, received two honorary degrees this spring, one from Hamline University in St. Paul, Minnesota, where he will also deliver the Putnam Lecture on Social Ethics, and another from Haverford College in Pennsylvania. Professor Hirabayashi is best known for his attempts to obtain justice for Japanese Americans who were interned during the Second World War.

THE TEXT *PHARMACOLOGICAL ASPECTS OF AGING* has brought honors to its editors, Louis and Ann Pagliaro, he of the Faculty of Pharmacy and she from Nursing. The text was the *American Journal of Nursing* "Book of the Year" in two categories: community health nursing and gerontological nursing.

Enrollment Restrictions, September 1984

The following statement, provided by the University, clarifies the University's position on the enrollment restrictions which will take effect in the coming academic year.

At their meeting of April 13, 1984 the Governors of the University of Alberta found it necessary to pass the following resolution, which will have the effect of limiting first-year "freshman" enrollment to 4,500 in September 1984. The resolution reads:

That owing to the present lack of sufficient funding necessary to educate to a University standard and in order to prevent a deterioration in the quality of education at the University of Alberta, there be a limit on new admissions to the first year in session 1984-85 and that this limit be equal to the first year intake in session 1982-83, provided that admission to the first year of the non-quota Faculties be on the basis of academic merit.

The Governors were forced to adopt the resolution because current funding cannot sustain the continued increase in enrollment without severely undermining the quality of education offered at the University of Alberta.

Record enrollment increases in 1982 and 1983, averaging eight per cent, led to a full-time student population in excess of 23,200 in the 1983-84 session. In the Faculties of Arts and Science enrollment in December 1983 was 16 per cent higher than in December 1982. In January 1975, the Alberta Government recommended a ceiling of 24,000 students for the University of Alberta. If the University had not previously raised the admission standard for September 1984 to 65 per cent, enrollment for the 1984-85 session would have reached 25,000.

The new measure setting a target figure for "freshman" enrollments of 4,500 will still mean a full-time student population in the 1984-85 session of about 24,000; this as a result of an increased retention rate in upper years. At the same time, budget restrictions will mean a reduction of the

academic and support staff complements of about 30 and 70 positions respectively. Approximately 30 non-academic staff have actually been laid off.

Some Examples of Increasing Pressure

English 210 experienced a 22 per cent increase in enrollment in one year; registrations rose from 2,050 to 2,503 between December 1982 and December 1983. In that same time registrations in some Computing Science courses rose by 39 per cent. Terminals were occupied by students as early as 3 a.m.

Some departments can barely find sessional instructors at whatever price. There are few qualified people left to be hired at short notice for a limited term of employment in Alberta.

Students in some courses have had to resort to bringing their own chairs to the classroom; in some cases occupancy exceeds safety requirements.

Administrative support is failing: in one Faculty admission applications are being processed at a snail's pace because of the death of one staff member and the hospitalization of another. There is no extra staff to be assigned to the task.

The Government of Canada's taxation requirements oblige the University to process "Education Deduction Certificates" without reimbursement from Revenue Canada. This costs tens of thousands of dollars more than in previous years and has a serious impact on the overburdened Offices of the Comptroller and Registrar.

The Library, the single most important learning facility for Albertans at University, has increased circulation transactions over 40 per cent since December 1981. Pressure on the Library system and on the availability of study space is rapidly becoming intolerable.

Effect of the Resolution

It is predicted that at least 1,000 students, previously admissible with 60 per cent average high school marks, may be denied admission to the Uni-

versity of Alberta as "freshmen" (i.e. students never having previously gained admission to University of Alberta first-year programs), 500 of these as a result of enrollment restrictions, the others because the University decided last year to raise the admission requirement to 65 per cent.

The fair-play decision to allow the better of two marks (high school assigned marks vs. diploma results) to stand for admission purposes exacerbates the problem at hand in that there may, as a result, be more students than ever applying for admission.

The Selection Process for Non-Quota Programs

The University of Alberta guarantees admission to "freshman" first-year programs for students who achieve a matriculation average of 72 per cent or better in specified subjects.

Students with averages less than 72 per cent may still be admitted to "freshman" programs at the University of Alberta but not until after it is known what claims will be made on the 4,500 places available. Students will be admitted in order of their academic standing until the target figure is attained.

As soon as the results of diploma examinations are released by Alberta Education in late July, those students who have attained 72 per cent or more in their high school matriculation average or in the diploma examinations will be notified of their admission by the Office of the Registrar.

Students with less than 72 per cent but with a minimum average of 65 per cent will be ranked in order of academic standing and notified of the admission decision in mid to late August in sufficient time to enrol in the 1984-85 session.

Students with less than a 65 per cent matriculation average will not be admitted.

Students already enrolled in transfer programs at other postsecondary institutions will have their formal college affiliation agreements honored.

Association News

How Long Has it Been?

HOW LONG HAS IT BEEN SINCE YOU graduated from the U of A? Since you saw some of your former classmates?

Homecoming '84 is for all University of Alberta graduates. It's an opportunity to renew old friendships and make new ones.

Special classes this year include the Diamond Class of 1924, the Gold Class of 1934, and the Silver Class of 1959. Graduates of 1944, 1954, 1964, 1969 and 1974 are also being encouraged to hold class reunions in conjunction with Homecoming.

Homecoming begins on the evening of Friday, September 28 with a Wine Tasting night at the Faculty Club. Featured will be the wines of France, Germany and Italy, served with appropriate hors d'oeuvres.

The following day promises to be a busy one. Alumni are invited to Athabasca Hall at 9:00 in the morning to partake of coffee and the justifiably-famous "Tuck Shop Cinnamon Buns," which have become a campus tradition. At 9:30, campus tours depart, affording grads the opportunity to renew acquaintances with parts of the campus familiar to them and to glimpse the structures and grounds of recent years. The tours will end near Education Centre where, at 11:15, Dr. John Paterson will deliver a lecture of general interest. Well-known to many graduates in his capacity as a professor of educational psychology, Dr. Paterson is also a co-host of an open-line radio show. Entitled "That's Living" the show was the first in Canada to offer mental health counselling over the air.

Following the lecture and just before lunch, Campus Recreation will sponsor an exercise break, featuring exercises which can be done without great physical exertion or the need for a change of clothing. Lunch will be at the Power Plant, the Graduate Students' social centre.

Scheduled afternoon activities include a special exhibition at the Ring House Gallery, which will include material purchased with the assistance of

the Alma Mater Fund and a display of the photography of the Vaux family, who capture in their work the grandeur of the Canadian Rockies. A tour of the impressive new Walter C. Mackenzie Health Sciences Centre has also been organized for the afternoon.

Saturday's activities are completed with the Homecoming Reception and Dinner and Dance at the Westin Hotel.

The following day is preserved for individual class activities — breakfasts and brunches, and so on — with the Diamond and Gold grads the guests of President and Mrs. Horowitz at a brunch held in their honor.

Spring Grads to be Honored

THE ALUMNI ASSOCIATION WILL HONOR the graduands of Spring Convocation 1984 at the Convocation Dinner and Dance to be held on Tuesday, June 5 at the Westin Hotel, Edmonton.

The graduands and their families and friends are invited to attend the Dinner and Dance, which will feature toasts to the University and to the graduating class in addition to the dining and dancing.

Individual invitations are being sent to the graduands, and tickets are available through the Office of Alumni Affairs.

Branch Visits

UNIVERSITY OF ALBERTA BOARD OF Governors Chairman John Schlosser, Mrs. Schlosser, Alumni President Ed Wachowich and Mrs. Wachowich, and Alumni Director Susan Peirce had a pleasant visit to the West Coast this spring when they were the guests of the Victoria and Vancouver Branches, which held their annual meetings on April 7 and 8 respectively.

To the meetings Mr. Schlosser was able to bring his unique perspective on the events at the University, including those of the recent past and those that are still unfolding. In return he and the other guests from Edmonton were treated to some truly warm West Coast hospitality.

Following the Victoria dinner at



Retiring Victoria Branch President Joy Russell receives a copy of Edmonton '83 from Alumni President Ed Wachowich at the recent Victoria Branch meeting.

Holyrood House, a new slate of Branch officers was ushered into office; president for the coming year is Gerrie Symons, '48 BSc (HEc). Another highlight of the evening was a special presentation made to James Meagher, '21 BSc(Ag), in recognition of his contributions to the Branch over the years.

They Royal Vancouver Yacht Club was the splendid setting for the Vancouver Branch's Spring Bruch and annual meeting, which attracted a record attendance of more than 120 persons. At the business meeting, Audrey Dunlop, '49 BSc(HEc), took office as Branch president, and a presentation was made to Frank McEvoy, '48 BCom, in the way of thanks for his exceptional service to the Branch.

Directory Available

THE MEDICAL ALUMNI ASSOCIATION'S directory of MD graduates of the University of Alberta is now off the press.

The attractive 64-page directory features information about the whereabouts, current appointments, and particular medical interests of a good portion of the more than 3,000 persons who have graduated from the University of Alberta medical school. It also gives a complete listing by year of

all who have received MD degrees from the University, a listing of the past deans of the Faculty of Medicine, former presidents of the Medical Alumni Association, and recipients of the MAA Outstanding Achievement Awards.

The directory is available from the Office of Alumni Affairs at the postage-paid price of \$7.50. Please make cheques payable to the Medical Alumni Association.

Library Privileges

GRADUATES WHO HAVE CONTRIBUTED more than \$50 to the Alma Mater Fund in the previous year and those who graduated from the University more than 50 years ago are now being extended borrowing privileges at the University Library.

It is hoped that borrowing privileges will be extended further in the future; that will depend, in part, on the experience gained from this initial measure.

Class Spoons

The Alumni Affairs Office has available for sale extra Class Spoons.

Gold spoons are \$6 each, and silver spoons are being sold for \$5 each. Quantities are limited: unless otherwise indicated, only one spoon for each year is available. All spoons will be sold on a first-come, first-served basis.

University of Alberta Class Spoons

Gold	Silver
1920	1919
1921 (4)	1922
1931 (9)	1923 (11)
1932 (12)	1957 (84)
1933 (1)	1958 (85)

Medical Class Spoons

1938
1940 (4)
1941 (4)
1942 (15)
1943 (1)

All graduates are welcome to use Library material in place, and for large research projects borrowing privileges may be arranged. Contact the Library circulation services for more information.

Scholarship Winner Named

JAMES RICHARD OLCHOWY, AN HONORS English student in the Faculty of Arts, has been chosen to receive the Maimie S. Simpson Scholarship for 1984.

Mr. Olchowy has been active in the Student Help organization, which provides peer counselling and information for students. He was recently elected Student Help director for the 1984-85 University term. Despite his contribution of time and energy to helping his fellow students, Mr. Olchowy, who has completed two years towards his degree, has been able to maintain an excellent academic record throughout his course of studies.

The Maimie Simpson Scholarship is awarded annually by the Alumni Association to a student who has made a significant contribution to student life at the University while maintaining a satisfactory academic record. Named in memory of the woman who was dean of women at the University from 1950 until 1960, the scholarship is in the amount of \$1,500.

Travel Destinations Set

PACK YOUR BAGS! JOIN YOUR FELLOW alumni in taking advantage of some exciting travel opportunities at special group rates.

Where would you like to visit? Monte Carlo? San Francisco? Moscow? Avignon? The Black Sea? Panama? Bucharest? Paris? Alumni tours will be visiting each of these places and many more in the coming months.

The Alumni Association is offering four separate travel packages for its 1984-85 program. They include a short visit to San Francisco and North America's premier wine-producing

area, two historic European river cruises, and a luxurious cruise through the Panama Canal.

You're invited to spend Thanksgiving in San Francisco. From October 4 to 8, you will be able to enjoy San Francisco at its best. The travel package includes four night's hotel accommodation, three in the fascinating city itself and one in the heart of the wine region, the Napa Valley. Included for your enjoyment are a half-day city tour, a Bay cruise, and a wine-tasting tour.

If you would like to exchange snow and cold for sun, sea and tropical nights this Christmas, a ten-day Trans Canal Cruise aboard a luxury ship of the Princess fleet would be a great way to get away. Join fellow alumni aboard the Island Princess as it sets sail on December 9 from Acapulco. On December 29 it docks in San Juan, Puerto Rico. In between are days and nights of sea and sun and the delicious food and great entertainment that Princess Cruises is famous for.

In early summer 1985 (June 7 to 23, tentatively) Alumni Holidays, the experts in alumni travel, will be your hosts for an unforgettable cruise on three of "Europe's Great Waters" — the Danube and Dnieper Rivers and the Black Sea. It is a great opportunity to see a part of the world not well known to most North Americans.

"The Passage of the Czars" begins in Moscow, one of the world's most exotic capitals. See St. Basil's, Red Square, the Kremlin, GUM's Department Store, and Lenin's Tomb. The fly to Kiev, capital of the vast Ukraine, centre of Slavic culture, and "Mother of Cities." Board ship at Kiev and begin your cruise along the Dneiper. There'll be interesting ports of call and time off to enjoy beach activities before you reach Odessa, "Pearl of the Black Sea" and gateway to the Soviet Riviera. Throughout the years, Odessa has been home to some of the foremost writers, painters and musicians of the Soviet Union.

After Odessa, ten fabulous nights spent cruising up the historic and romantic Danube are in the offing; as you experience the Balkan country—*continued on page 21*

Class Notes

'20

FRED J. BATSON, BSc(Eng), continues to operate his 55-acre game farm and wildlife refuge about 30 miles from Buffalo, New York but spends the coldest part of the winters in his Florida condominium. He plans to visit Edmonton in the latter part of May.

'27

J. HAROLD McLAUGHLIN, BSc(Ag), '25 BA, is now retired and living on a ranch northwest of Stony Plain, Alberta. In October 1983 he received the "Distinguished Agrolgist Award" from the Alberta Institute of Agrolgists. He is a member of the Alberta Agriculture Hall of Fame.

'28

WILLIAM J. HARPER, BSc(Ag), and his wife EFFIE HARPER (SLONAKER) BA, report that they are busily and happily retired at 15954 Prospect Crescent in White Rock, B.C. and are open to visitors on all occasions.

'30

CLIFFORD H. SKITCH, MD, '26 BA, retired from the post of medical superintendent of the Douglas Centre in Verdun, Quebec in 1976, and then did half days in the MacKinnon Phillips Hospital in Owen Sound, Ontario until 1972. He recently moved to West Vancouver, B.C. and writes that he has "yet to find a roof for an old man with emphysema."

'32

ISABEL LAIRN (COOPER), BSc(HEC), has enjoyed almost 10 years of retirement after two careers - 20 years as a hospital dietitian and 20 years as a home economics instructor. She found it a great pleasure to meet classmates of 50 years ago at Homecoming '82. She now lives in Vancouver.

'34

SIDNEY RICHARD NELSON, MD, graduated from the medical school in 1934. Now he is Air Marshal Sir Richard Nelson, KCB, OBE, MD. He retired from the RAF in 1967 and went directly to Aspro-Nicholas Ltd., as medical director and later became research director. He now lives in the Hampshire region of England and his only professional activities involve membership on the BMA Council and serving as the secretary of a postgraduate centre.

'36

W. ALLEN CONROY, MD, writes that the Class of '36, Faculty of Medicine, is rapidly approaching "that landmark of landmarks, its Fiftieth." He is most anxious to hear from

nizing that event. (Contact him at 124 Marin Valley Drive, Novato, California 94947.) Now retired to his gardening and square dancing, he spent 45 years in the practice of anesthesiology, although the last six years were largely general practice, attending to the needs of the retarded inhabitants of Sonoma State Hospital near his home.

'41

WILLIAM P. SKELTON, BSc(Pharm), recently retired after 42 years as a pharmacist. He's enjoying life, travelling, golfing, and visiting his children and grandchildren, and he plans to continue living in Lethbridge.

'45

DONALD J. CAMPBELL, BSc, is an associate professor of pathology at the University of British Columbia and head of the division of clinical chemistry at Vancouver General Hospital. He was recently elected to the Senate of UBC to represent the Faculty of Medicine. Formerly the editor of the international journal *Clinical Chemistry*, he is now a member of the editorial advisory board of *Diagnostic Medicine*, Oradell, New Jersey.

'48

VAN CHRISTOU, DDS, received certification in the specialty of orthodontics from the University of Rochester in 1950 and has practiced orthodontics in Lethbridge since graduating. The chancellor-emeritus of the University of Lethbridge, he is to be conferred an honorary degree by that university in late May.

'49

WALTER J. RIVA, BSc(Eng) has been appointed to the board of directors of the Export Development Corporation, a Canadian crown corporation. He is director and vice chairman of the board of Westar Mining Ltd. and serves on the boards of B.C. Timber, Westar Petroleum, and National Second Century Fund of British Columbia. He is also the president-elect of the Canadian Institute of Mining and Metallurgy. DONALD D. PHILLIPS, BSc, is general manager of research and development for Mobil Chemical Co. in Edison, New Jersey.

'50

T. JACK HALL, BSc(Eng), was recently elected to the board of directors of the Midland Bank. A resident of Calgary, he has had an active career in the oil and gas industry. He is president, director and chief executive officer of Omega Hydrocarbons Ltd. and holds executive positions with a number of other energy-related companies.

'52

LIONEL PILON, LLB, '51 BA, was recently named executive vice-president of Trans-Can Holdings by Trans Canada Pipelines. In his new position he will be located in the Netherlands.

'54

FRANK G. LEDEZ, BSc(Eng), is now the chief executive officer of Fortress Allatt Limited. He will be responsible for directing the

In Memoriam

Ada Skarin(Fryk), '19 BA
Frederick Albert Rudd, '23 BA, '25 LLB, '35 MA
Shirley Graeme MacDonald, '25 BA, '28 LLB, '28 MA
Jean Bryan, '29 BA
George Edward Decker, '32 DDS
Esther M. Mottus, '34 BA
Mary Louise Hall (Gilmour), '40 Dip(Nu)
Albert H. Schwermann, '43 BA, '44 BEd
Douglas Vallance McIntyre, '43 BSc(Eng)
Edmond D. Jorre de St. Jorre, '45 BA, '46 LLB
Murray Edgar Stewart, '47 BSc(Eng)
Charles D. Pollock, '48 Dip(Pharm)
Robert A. Leitch, '48 BEd
Carl Lincoln Stults, '49 BEd
Gordon Alexander Stewart, '54 BSc
Peter Nicholas "Pat" Shewchuk, '55 BA, '58 LLB
Derald Lawrence Stewart, '58 DDS
John D. Guild, '59 BSc
Jane Eleanor Ballash (Bleuler), '61 BSc(Eng)
Robert Henry Clark, '61 DDS
Stewart V. Liesemer, '62 BEd
Dell Raymond Theberge, '63 BEd
Samuel Chelliah, '64 BEd
Victor Bristow, '65 BEd
Clayton S.A. Everitt, '66 BEd
Roderick Michael McDougall, '68 BSc, '72 MD, '75 MSc, '78 PhD
Josefine Constantia Rauch, '68 MSc, '72 PhD
Derek Edward Gill, '72 BCom
Roberta N. Vester, '75 MED
Peter J. Shearman, '80 PhD

expansion of the company's North American and worldwide operations in the tractor/asphalt repair and accessories market and for the introduction of a range of new products to their asphalt paving line.

'58

EDWARD G. LANG, BSc(Eng), was recently appointed vice-president (production and projects) of Combustion Engineering-Superheat Limited.

'59

ARTHUR "SCOTTY" DAY, BEd, is associate director of curriculum for Alberta Education.

'60

TED HECHTER, DDS, is practicing general dentistry in Winnipeg, Manitoba and was elected president of the Manitoba Dental Association in February.

'61

B. WILLIAM KUSHNIR, (BSc(Eng)), has been

named assistant vice-president and general manager of production, metals and chemical operations for Sherritt Gordon Mines Limited. His responsibilities will be centred at the company's refinery at Fort Saskatchewan, Alberta.

MYRTLE DELANY FRASER, BEd, '58 BSc(Nu), retired in 1980 from teaching in the Canadian arctic and now lives in Vernon, British Columbia, where she serves as vice-president of both the local chapter of the University Women's club and the Vernon Retired Teachers Association. She is also trying to find time to write about her nine years in the arctic as a teacher and public health nurse.

'62

LEMUEL W. BOYD, BA, was appointed regional director for the Saskatchewan Alcoholism Commission in 1982, after 10 years as the province's chief probation officer and director of community corrections.

W. GLEN JOHNSTON, BSc, has spent 22 years with Mobil Oil Canada. He is currently working in the Halifax Office as staff geologist for the Hibernia project.

LIONEL A. SINGLETON, BSc, has been appointed president and chief operating officer of Thomson-Jensen Petroleum, the new name for Global Arctic Islands Ltd.,

which was recently acquired by Thomson-Jensen Energy.

'64

DENNIS KOLESAR, BSc(Eng), has been appointed to the board of directors of Shawnee Petroleum Limited and has also been named that company's president.

BONNIE L. REED (PARSLOW), Dip(PT), is currently staff physiotherapist at Victoria Union Hospital, Prince Albert, Saskatchewan.

'65

GERALD BAYCROFT, MSc, '62 BPE, taught one year at Alberta College, five years at Mount Allison University, and eight years at Waterloo University before choosing to begin an elementary school teaching career. He has now taught grade four for seven years in Waterloo, Ontario. He reports that his wife and two teen-aged children love it in Waterloo.

'66

SYLVIA MCKAIN, BEd, '71 BA, recently returned from Australia, where she taught in a Melbourne inner city school in an exchange resulting from an International Teaching Fellowship Award which she won. Now back teaching grade two at Edmonton's Alex Taylor school, she reports that she was able to spend 20 days visiting schools throughout Australia as part of the fellowship. She found that Melbourne teachers set much of their own curriculum - making things difficult for an outsider at first. "It makes you appreciate the Alberta Curriculum Guide."

ROGER N. GIMBY, BSc(Eng), has been appointed vice-president (production) by AEC Oil and Gas Company, a division of Alberta Energy Company Ltd.



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The purchase of Alumni User Cards entitles alumni and their families to a number of privileges at the University's Physical Education and Recreation Centre.

This now includes use of squash and racquetball courts, subject to normal booking regulations.

Other facilities include the campus swimming pools, indoor and outdoor jogging tracks, the weight training room (adults only), and the rink.

User cards for the year beginning July 1 will be available from the Alumni Office soon.

Family: \$100

\$ 55 (half-year)

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University of Alberta Orchesis Reunion

On the occasion of the 20th Annual **Orchesis** performance, March 1 and 2, 1985, we are planning a reunion spanning the years 1965 to 1985. All **Orchesis** alumni are encouraged to attend and participate in the various functions.

For more information contact:

Dorothy Harris
Physical Education and Sports Studies
University of Alberta
432-5601

'67

PETER PORTLOCK, BA, left the Canadian Forces in 1980 after more than 13 years of service, during which time he achieved the rank of major. He returned to Edmonton and was director of the Alberta section of the Canadian Amateur Swimming Association until September 1983, when he returned to the U of A full-time in the Masters in Health Sciences Administration program. He remains active as a volunteer official for competitive swimming and will be going to the Los Angeles Olympics as one of the announcers for swimming - he'll be doing the French. ("Thanks to my BA in French.")

'68

GARY D. RENNICK, BCom, is now system manager, freight services and product planning for CN Rail.

'69

AUBREY W. BONNETT, MA, is spending this year as a fellow in academic administration at the Office of the Vice Chancellor for Academic Affairs, City University of New York.

LAVERN STROEDER, BSc(Pharm), '67 BSc, is a chartered accountant with David Dahl and Partners in Calgary, and wife LUCILLE STROEDER (BERNIER), '71 BEd, is enjoying a maternity leave with Kelsey and older brother Corey.

'70

BEA FELKER, Dip(Nu), is currently unemployed, staying at home looking after her son (3 1/2) and daughter (9 months). She reports the sad news that she just recently lost her 2 1/2 year-old daughter to cancer after a seven-month illness. She is now contemplating returning to nursing on a part-time basis.

LARRY B. KRAUSE, BCom, was recently named the president, chief executive officer, and

director of Summit Resources Limited and is wholly-owned subsidiary, Summit Resources Inc.

G. DIANNE PEARSON (SIMPSON), BSc(HEC), recently moved to Georgetown, Ontario with her husband, who was transferred there in connection with his position with the federal department of Agriculture and Food. The mother of two pre-schoolage daughters, she has been employed in the insurance industry for the past four years and is working toward certification.

'71

E.T. ARAP NGENY, MEd, is now principal of the Kericho Teachers' College in Kericho, Kenya. He writes, "Although I have since been to Moscow and London University, University of Alberta remains my passion, and I shall want my three sons to go there."

LARRY OHLHAUSER, MD, after 10 years spent in general practice in Drumheller, Alberta, is now assistant registrar of the College of Physicians and Surgeons of Alberta.

'72

FRANK CROWTHER, MED, '71 BEd, was named director of Alberta Education's Edmonton Regional Office as of January 1, 1984.

DAVE PODRUZNY, BSc, and FAYE PODRUZNY, BSc, now live in Cumberland, Ontario. He is a policy officer in the resource processing branch of the federal department of regional industrial expansion. She is working at the National Research Council's division of biology in a group involved with the biological production of fuels - as a chemical engineer since her graduation from the University of Ottawa in that discipline in 1981.

LYDIA M. LUCK, BEd, now living in Onoway, Alberta, recently retired after more than 28 years of teaching at Lacombe Junior High School. She recently remarried and was

planning an extensive winter holiday.

ARTHUR GLEN KIRKLAND, BEd, is an English teacher at Austin O'Brien High School, Edmonton. The author of a trilogy of English texts found in most Canadian high schools, he will also have a poetry book geared to English students published soon.

FRANK GIBSON, BCom, has recently purchased Indacom Real Estate Ltd., an Edmonton firm specializing in commercial leasing of office, retail and industrial space.

'73

FRANK J. CEDAR, PhD, a chemical evaluation officer with the pesticides division of Agriculture Canada in Ottawa, was the recent recipient of a Public Service Merit Award for his work as executive secretary of the Consultative Committee on IBT Pesticides, which dealt with the regulation of the fungicide *captan*.

BRUCE A. SPENCE, BA, has been named manager, corporate communications, by Microtel, a Canadian manufacturer of telecommunications equipment. Mr. Spence will be based at the firm's Burnaby, B.C. head office.

ELAINE YAU, MBA, is the president and sole owner of two travel companies in Vancouver - Pan Pacific Travel, which specializes in China and Orient tours (wholesale and retail), and Executive Travel, which specializes in corporate, convention, and Orient travel arrangements. In addition, she has been a board member of Regent College in Vancouver since 1983.

OBI N. CHUKWUKERE, BEd, '71 Dip(Ed), is the principal education officer at the FCTA department of education in Gwagwalada in Abuja, the new Nigerian capital territory. Prior to accepting his new appointment in March, he was senior lecturer in European history and co-ordinator of English language and literature at the Federal School of Arts and Science, Suleja, Niger State.

FRANK COSENTINO, PhD, '69 MA, is once

N. HARVEY HAAKONSON, '68 BA, '72 MD, has retired from the Canadian Forces as a Colonel, after having served for 24 years.

He has now moved to Calgary, where he has accepted a position with Petro-Canada. As Petro-Canada's corporate medical director he will be responsible for a wide range of medical-related concerns. These include the development and implementation of programs in industrial and occupational health, health monitoring, health promotion, and employee assistance.



again the head football coach at York University in Ontario.

'74

DON CUMMER, BA, is assistant director of correspondence for Brian Mulroney, MP, Canada's leader of the opposition.

PAUL FEDEC, PhD, '70 MSc, '67 BSc(Ag), has been a research scientist with the POS Pilot Plant Corporation for six years, working in the area of cereal grain processing. He was recently appointed acting executive director of the organization.

'75

JANET L. MCNEILL, BSc(Eng), is now a resident of Baytown, Texas. After working in Toronto until 1978 with Esso Chemical, she spent six years in Houston with Exxon Chemical. She is currently section supervisor in charge of utilities operations in a major petrochemical plant. She's also planning a 10 year reunion of the 1975 chemical engineering class.

'76

LORRAINE F. CLARK (RICHARD), BEd, teaches a grade two French immersion class at St. Gerard's School in Calgary. Previously she taught for four years in Peace River, Alberta.

MERVYN F. MILLIGAN, MSc, was recently named engineering superintendent for Obed Mountain Coal Company. He is responsible for the planning and mine engineering functions on site at the Obed-Marsh mine, under construction near Hinton, Alberta.

BARRY BURGHARDT, BA, is currently studying toward the degree of BSc in forestry at the U of A.

'77

GRAHAM PARDOE, BSc(Eng), recently completed his electrical apprenticeship and received a journeyman's ticket.

DAVID CAWKELL, BCom, and wife CATHERINE CAWKELL (BRYANT) are living and working in Edmonton. They have one child, Lauren. LESLIE AYRE-JASCHKE, '77 BEd, taught social studies in a small school in Berwyn, Alberta after finishing university. She is now home with two young sons and is very active in the La Leche League, as a leader and as an advisor to northeastern Alberta LLL groups. She finds it gratifying work. She also reports that her husband ERIC JASCHKE, '72 BCom, '76 Dip(ED), is a partner in the firm Berris, Jaschke and Company, Chartered Accountants in Peace River, Alberta and is a very involved father.

ROBIN ROBERTSON (CARSCADDEN), BA(Rec-Admin), and JOHN A. ROBERTSON, BPE, just completed the building of a new home in Edmonton and are the parents of a young daughter. John is working with drilling equipment, and Robin is the supervisor of business outreach at Grant MacEwan Community College, Edmonton.

SUSAN KING (PLAYDON), BEd, has moved to Kingston, Ontario from Cold Lake, Alberta. While her husband works on his master's at the Royal Military College, she keeps busy at home with two children.

'78

BARBARA LEE HARCOTT (RENNIE), BEd, has begun her sixth year of teaching at McNally Composite High School, Edmonton.

'79

MARY-KAY BROOK, LLB, '76 BA, has been legal counsel to the Alberta Liquor Control Board since July, 1980. In August 1982 she married Brian Ault of New York.

RONALD BOIVIN, BEd, '76 Dip(Ed), '75 BSc, is currently teaching French, biology, and chemistry at Archbishop MacDonald High School in Edmonton. He has been chosen to lead a group of teachers to Zaire this summer, and he has recently completed more student textbooks, this time in grade

nine religion.

LINDA BIDULKA (ROHATYNCHUK), BEd, who taught in a resource room in Cereal Alberta for three and one-half years, was married in August 1982 and now lives in Calgary where she subs for the Catholic school board.

DEBRA WOLFAARDT (SANDUL), BSc(Eng), married a South African and is now employed by SA Electricity Supply Commission in their power station mechanical group.

'80

EVELYN S. MATTHEWS (MOOREHOUSE), MBA, lives in Banff, Alberta and is controller for Canadian Mountain Holidays, the largest heli-skiing operation in Canada.

GEORGE DEW, BSc(Eng), completed a seven-month trip around the world in 1983 and is now working with the ADGA Group of consulting engineers in Ottawa.

PATRICIA K. KOPRA (BAILEY), BEd, teaches junior high school science for the Edmonton Separate School Board at Elizabeth Seton School.

'81

KEVA M. BETHEL, PhD, was installed as the first female Bahamian principal of the College of the Bahamas in December 1983. The College of the Bahamas is the Bahamas' senior institution of higher education.

KATHLEEN D. MACISAAC (PAETZ), BEd, '79 BA, teaches French at Louis St. Laurent High School in Edmonton. She was married in 1981.

JOAN RUSSELL, BSc(PT), is a physiotherapist in private practice in Penticton, B.C.

LESLIE J. STAGG, BSc(Eng), has been working as a mechanical engineer with Pratt and Whitney Aircraft of Canada in their new design department since August 1981.

'82

MARGO LAGASSÉ LANGOIS BFA, '80 BEd, decided to work toward her BFA majoring



JOHN POOLE, '37 BSc(Eng), well-known Edmonton businessman and engineer is the 1984 recipient of the Canadian Business Leader Award, given annually by the University's Faculty of Business to an individual deemed "a model to business students through uncommon vision and sound common sense."

Mr. Poole and his brother George headed Poole Construction Limited (now PCL Constuction Ltd.) from 1948 to 1977. During that time the firm became one of the foremost general contractors in Canada, erecting major buildings in Canada and the U.S.A., entire townsites, airports, highways, and industrial plants, and pioneering Arctic Construction.

A founder of the Oxford Development Group, Mr. Poole is currently a director of the Alberta Venture Fund, the Toronto Dominion Bank, Shaw Cable Systems, and Suncor. A trustee of the Pearson College of the Pacific, he is also a past governor of the Glenbow Alberta Institute and the Banff Centre.

in sculpture after receiving her Education degree. She still attends University, even though she earned her BFA. Now she is studying philosophy. Her sculpture was featured at an Edmonton gallery in February.

ROD CARLYON, BSc(Ag), is a district agriculturist in Alberta Agriculture's Westlock office.

SILVER BROBST, BPE, is living in Toronto, where she dances with "Dancebreakers" a modern jazz dance company. In addition she is a freelance artist - actor/singer/dancer/model.

'83

JENNIFER GRIEVE, MSc, '79 BSc(HEC), lives in London, Ontario, where she is a full-time lecturer in home economics at Brescia College, University of Western Ontario.

SANDY B. LYONS, BCom, is a CA student with Coopers and Lybrand, Edmonton.

BARBARA CLARK, MSc, has accepted employment with Playtex Ltd. as a quality control engineer and is currently living in the Ottawa Valley area.

KELLY ROSS JOHNSTON, MD, is now interning at Edmonton's General Hospital.

Travel from page 16

side from the deck of the U.S.S.R.'s newest and most modern sailing vessel. The final two nights of this unforgettable journey will be spent in Bucharest, Romania, known as the "Paris of the Balkans." Although modern and progressive, Bucharest reflects the turmoil of Romania's past, which included occupation by the Romans, Mongols, Turks, Greeks and other conquering armies.

The second European river cruise captures the romance that is so uniquely French. Tentatively scheduled for August 13 to August 25, the "Cote du Rhone Passage" features a five-night cruise on the Rhone River as it meanders through its lovely valley. But first there's Paris, where your passage begins. Inimitable Paris. Visit Notre Dame or the legendary Louvre, or watch life pass by from a sidewalk cafe. Enjoy everything from the Opera to the Folies Bergere. Then it's all aboard the world-famous, high-speed TGV Train to Lyons, the ancient capital of the Gauls and now the centre of the French textile industry. Lyons is at the junction of the Rhone and Saone Rivers, and here begins the cruise on a vessel chartered exclusively for the use of Alumni Holiday travellers. Ports of call are Vienne, Viviers, Orange, Avignon (with the bridge of the nursery rhyme), and Arles, once a port of imperial Rome.

The Cote du Rhone Passage ends with three never-to-be-forgotten nights in Monte Carlo. Monte Carlo with its spinning roulette wheels. With its dazzlingly-white beaches, its magnificent palaces and romantic villas, its Avenue des Beaux Arts and its idle rich. And its sea. The blue Mediterranean Sea.

There are four great holidays to choose from. What's your choice? Contact the Alumni Office for more information. ◁

Homecoming '84 Reunion Contacts

The people listed below have expressed their willingness to act as contact persons to arrange special class reunion

activities in conjunction with Homecoming '84, September 28, 29 and 30.

BSc Nursing

'59

Mrs. Marion Giesbrecht
4516 51 Ave.
Barrhead, Alberta
T0G 0E0
(403) 647-2809

Dental Hygiene

'64

Linda Risdon
56 Granville Cr.
Sherwood Park, Alberta
T8A 3B8
(403) 467-6512

Law

'44

Mr. Hel Howey Q.C.
15302 Rio Terrace Drive
Edmonton, Alberta
T5R 5M5
(403) 487-4375

'54

Mr. Ed Trott
6215 127 Street
Edmonton, Alberta
T6H 3W9
(403) 434-4568

'59

Judge Walder White
12316 Aspen Drive W.
Edmonton T6J 2G2
(403) 434-1994

'74

Mr. David Lobay
1900, 10020 101A Ave.
Edmonton, Alberta
T5J 3G2
(403) 428-6036

Medicine

'54

Dr. Fred Marshall
13025 104 Avenue
Edmonton, Alberta
T5N 0V9
(403) 452-5713

'59

Dr. Walter Yakimets
4803 Landsdowne Drive
Edmonton, Alberta
T6H 4K8
(403) 438-1406

'64

Dr. Adrian Jones
11703 Edinboro Road
Edmonton, Alberta
T6G 1Z9
(403) 432-1271

'74

Dr. Nigel Flook
606, 8215 112 Street
Edmonton, Alberta
T6G 2C8
(403) 433-4211

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Recognizing Research



The first thing that strikes the eye is the piano. A "baby grand," it fills half the office. But it is Gerhard Krapf's hands that tell his story. As he talks, his hands are in constant motion, fingers moving as over an invisible keyboard. And not surprising, for Gerhard Krapf, recipient of a 1984 University Research Prize has "made a living" using his hands.

An organist described by his colleagues as the "complete musician," Professor Krapf grew up in a house full of music. His father was a minister; church music an integral part of his life's work. From his earliest days, the young Krapf played both

piano and organ and it was not long before his life came to revolve around bi-weekly organ lessons in a neighboring town, "two hours on the train each way." His teacher was a "fierce and dedicated man" who encouraged him (somewhat to his surprise and clearly to his delight) to study music at university. But the War intervened, and it was only after three years of service and three years in a prison camp that Krapf's commitment to music could be pursued.

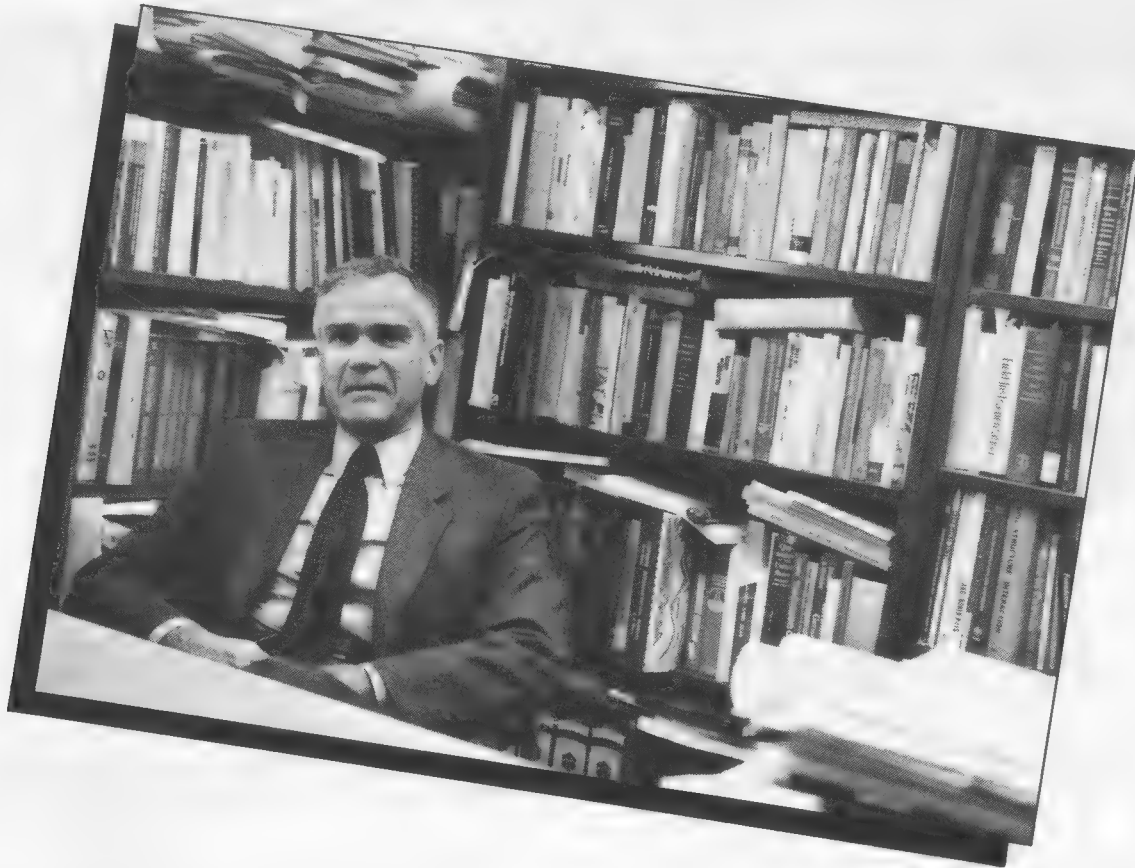
Pursue it he did. Years of study, a successful university entrance exam, an exchange fellowship in

continued on page 25

On March 21, 1984 University of Alberta Research Prizes for excellence in research and scholarship were presented to Gerhard Krapf and Norbert Morgenstern. The prizes are sponsored jointly by the University and the Association of Academic Staff of the University of Alberta.

Profiles by Liz Clarke, reprinted from Research Reporter.

Excellence: 1984



Just as obvious to the eye as Gerhard Krapf's baby grand are Norbert Morgenstern's books. Rows and rows of books crowd the walls of the small office that has been home to the acclaimed civil engineer for the past dozen years.

He laughs when questioned about his choice of profession. "I couldn't stand the sight of blood, so that eliminated medicine. My parents wanted me to be a lawyer, so that eliminated law. So I decided to become an engineer." It is 30 years since this reactionary career plan led Norbert Morgenstern to enroll in civil engineering at the University of Toronto. In that relatively short period of time, Dr. Morgenstern has developed a reputation as one of the leading geotechnical engineers in the world.

Soil mechanics, a relatively new field, caught Dr. Morgenstern's eye as a discipline which "offered a way out of the more traditional fields of civil engineering." After graduating from the University of Toronto in 1956, he went to England, "partly to do graduate work and partly to see the world." There he specialized in soil mechanics at Imperial College of Science and Technology and at the University of London. Those he worked with in England, first as

a graduate student and subsequently as a fellow faculty member, remember his "keen intellect," "brilliant analysis," and "devoted and inspiring assistance."

Small wonder, then, that his reputation spread. In 1968 he accepted a position at the University of Alberta, shrugging off the skepticism of friends and colleagues who wondered "why on earth" he would choose Alberta. To Dr. Morgenstern, it was time for a change, and he recognized the potential awaiting him.

A keen curiosity and a high energy level combine to keep Dr. Morgenstern busy. His interest in geotechnical engineering covers a vast range of subjects and problems. He has travelled the world doing research and consulting. Dams, landslides, highways, bridges, pipelines - all have been under his scrutiny. He has made important contributions in fields ranging from the physics and mechanics of water and ice in soils to topics in geology and rock mechanics and to the development of state-of-the-art techniques for design of engineering geotechnical structures. His expertise has had a profound

continued on page 25

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Krapf *from page 22*

California, teaching at a school for delinquent boys. And all the while, he wrote music and played the organ. In 1961, just months before his 40th birthday, Professor Krapf went to the University of Iowa. There he set up an organ department. "It was wonderful," he recalls, hands in motion. "It was such a challenge, to start from nothing and put together a nationally-recognized operation."

In 1977 the University of Alberta lured him from Iowa. Part of the challenge facing him was to oversee the installation of the University's new Memorial Organ. (Again the hands fly as he speaks: "It's such a wonderful organ!".) But the ongoing challenge facing Professor Krapf is his work as a composer, performer and scholar. His colleague and friend, Bob Stangeland, chairman of music, describes him as a man "vitally involved in all aspects of serious musical endeavor. A man who creates as a composer, re-creates as a performer, and analyses and articulates as a scholar."

How does a research prize come to an organist? To Gerhard Krapf the answer is a simple one. "Research, in the creative arts, is the creative process itself." With such a benchmark it is readily apparent why the peer-recognition award honors the organist. His published compositions, numbering more than 100, range from slight single works and collections of the same to more extended compositions in multi-movement forms. And, while the organ is Professor Krapf's specialty, his composition is not limited to its keyboard. Solo voice, choral ensembles, choral and instrumental combinations and strictly instrumental ensembles are all part of his portfolio. It is a portfolio that enjoys wide circulation and frequent performance not only in church services but also in concert halls and educational institutions around the world.

Performance is also an integral part of the creative process. Again Professor Krapf is prolific. He has presented live recitals (both sacred and secular) across the North American continent and in Europe, has performed as a guest artist over both Canadian and American radio networks, and has recorded both his own compositions (including his complete works for solo organ recorded at the invitation of the CBC for 15 half-hour tapes for broadcast) and the works of others.

Professor Krapf's reputation as a creative artist is completed by his scholarly achievements. His musicological publications have made a strong impact on the field of organ instruction and performance where they are considered as standard authoritative references. His book *Bach: Improvised Ornamentation and Keyboard Cadenzas; An Approach to Creative Performance* is considered an important piece of schol-

arly work and as such is currently being considered for translation.

Albert Schweitzer was an early influence in Krapf's life; Johann Sebastian Bach his life-long model. There is nothing about music that Bach cannot teach you," he declares, enthusiasm in his voice and hands. "He wrote oceans of wonderful music, sacred and secular. Knowing Bach allows you to appreciate music more fully."

Knowing Gerhard Krapf, composer, performer or scholar, surely does the same. ◁

Morgenstern *from page 23*

effect not only on the academic community but also on professional practice at the local, national and international levels.

Dr. Morgenstern's current interests include geotechnical applications to heavy oil extraction and arctic and offshore resource development. But he readily admits that he is constantly exploring new aspects of his field, a field he believes to be far broader than most people realize. "The contribution of geotechnical engineering to many technological undertakings is so central that the limits of our profession expand continually."

Such is certainly the case at the University of Alberta where he is credited with developing one of the finest geotechnical engineering thrusts in North America. "He has succeeded in establishing the University of Alberta as the focal point for geotechnical engineering," states Peter Adams, dean of Engineering. "Few major projects are planned on this continent without the involvement of Dr. Morgenstern and, through him, members of the geotechnical group. It is an involvement that has been of significant importance to this country."

When met with such praise, Dr. Morgenstern is quick to point to his colleagues and students. "We have an excellent group of talented people at this University. Our success is very much a team effort." This obvious respect for his colleagues gives the Research Prize special importance; an importance which he believes goes beyond peer recognition. "You might say that Gerhard Krapf and I represent opposite poles of what a university is all about," he explains. "The University does itself credit by recognizing that professional, market-oriented research and research in the creative arts hold equally important places in the scheme of things." ◁

This is the third consecutive year that the University has honored its own with Research Prizes. Two prizes are awarded annually: one recognizes outstanding work in the general area of the humanities and social sciences; the other rewards excellence in the sciences and engineering.

Building Bridges Between Cultures

by Graham S. Bell

Color photographs by Larry Erdse



The Work of the Office of Native Affairs

Dr. Carl Urion can remember a time in the early 1970s when there were only two or three Native students on campus in any one year. Dr. Urion, now the University of Alberta's advisor on Native affairs, has long been involved in the struggle of Alberta's Native people to gain full access to educational opportunities. Now on secondment from the department of educational foundations and aided by an energetic and capable staff, he continues the work started by the first Native affairs advisor, Marilyn Buffalo, of creating a place on campus for Native people.

The University of Alberta's Office of Native Affairs, tucked away in the basement of Athabasca Hall and with a staff of only four, might seem a modest operation. However, since its establishment in 1975, the office has provided both a vital centre for Native people on campus, and information services for the whole University concerning Alberta's indigenous peoples. Both students and professors working on topics related to Native people frequently find that Native Affairs plays a key role in aiding their research. The office has become a major point of contact between Native culture and the mainstream society.

For example: earlier this year a non-Native student wanted to find out about North American Indian religion. She consulted textbooks but found the written material on the subject scarce and perhaps suspect, coming mainly from the observations of European Canadians and Americans. The student decided that the best place to obtain information would be from Native people themselves, but she had no idea whom to ask or the proper manner in which to broach the subject. She contacted Rosamond McCue, the assistant Native affairs advisor, for help. Ms. McCue gave the student the names of some Native elders and told her how to make the correct approach to these highly-respected men and women, to ensure that she would be accepted as a serious student of Native religion. The office has the expertise to create such positive contacts between the cultures and daily handles requests from students and professors for help.

The office also handles requests for assistance from the community beyond campus. Ms. McCue was recently approached by an instructor at a local community college engaged in setting up a teaching program on early childhood education and needing information on Native child-rearing practices. Another recent request was from a woman who had adopted a child of Native ancestry and who wanted to know how she could present his heritage to him in a positive manner. Rosamond McCue finds the office is "moving out into the com-

munity more and more," to respond to diverse kinds of requests for help.

On campus, as well as aiding non-Natives to gain knowledge of Native traditions, the office also helps Native students gain access to University services.



Carl Urion

Remembers when there were only two or three Native students on campus in any one year.

The office doesn't want to isolate Natives as a special group on campus, but rather, in Rosamond McCue's words, "act as a stepping stone to integrate Native students into the system." In counselling students, the staff sometimes find themselves describing the intricacies and possibilities of a system that is often very alien to Native people, especially to those from remote reserves or distant rural areas. For many Natives, campus is a crowded, competitive and frightening environment quite different from the world they know at home. The transition to university sometimes demands an enormous adjustment. Native Affairs can help. Rosamond McCue says, "We let them know we're ready to listen, and we're here to help them help themselves." She adds, "Often a student just needs to sit down and talk." The Office of Native Affairs provides the kind of close supportive atmosphere where Native people can feel at ease on campus, where they will want to share problems.

The mention of a special office whose function is, in part, to provide student services for a select group sometimes provokes the question, "Why should Native people receive special services on campus?" The question is partly answered by Native Affairs' avowed policy to, whenever possible, refer students to regular campus services such as student finance

or the Faculty of Extension. It is not the policy of Native Affairs to duplicate existing programs or services but to create bridges for Native students to pass into the regular life of the University.

But it must be admitted, the existence of the Office of Native Affairs does give Alberta's indigenous peoples some special attention on campus. However, this consideration seems highly justified in the light of the historical situation of Canada's first peoples. The reserve system largely replaced Native leadership with white civil servants, missionaries, storekeepers and school teachers. At the same time the Church residential school system broke up family life. The residential schools, intended as part of a benign policy towards Native people, ended up alienating a whole generation from education. Incredibly, Native school children were often not allowed to speak their own language while attending the schools. This didn't happen a hundred years ago. Native people on campus in their 30s can still remember suffering the residential school system. They speak bitterly of the loss of their language, the separation from their families and the enforced religious practices.

Inequalities and injustices continue into the present. Many Native schools in the province still do not offer high school matriculation, placing their students at a considerable disadvantage in the present competitive University environment. In supporting the work of the office, Native Affairs Community Liaison Officer Jeannine Laboucane says, "Many

AT THEIR MEETING of April 13, 1984, the University's Board of Governors gave approval to the establishment of a School of Native Studies. Earlier the proposal for such a school had gained the support of the University's major academic decision-making body, General Faculties Council. The idea of a Native studies program at the University arose several years ago, and the proposal that went before GFC and subsequently the Board of Governors had been shaped by GFC's long-standing committee on Native studies.

The proposal calls for a bachelor of arts degree program in Native studies to be complemented by a unique system of student services which would address the particular needs of Native students, thus providing for increased accessibility to the University and its programs for these students. In addition, the School of Native Studies is to be a major academic unit, consolidating and expanding the University's resources, research and education in Native studies.

The establishment of the School is subject to the provision of special fundig by the provincial government for the initial five-year period. It is estimated that the total operating costs of the program during that period will be \$6.9 million.

historical factors justify the work we do here. We're opening doors for Native people for the first time."

As well as sharing a common historical background, Native students share common contemporary problems. Usually the students represent the first generation from their community to receive university education. One student asked the question, perhaps on the minds of many: "Can I still be an Indian and come to university?" Undoubtedly Native students may feel alienated in their own communities because their university education sets them apart. And they are often under some pressure to establish the credibility of a university education.



**Jeannine
Laboucane**

"Meeting young people is the nicest part of the job."

Native students are usually a little older than the average freshman; the average age of Native students is 25-35. Consequently, unlike most undergraduates, they often have children and the special demands on time and money that children make. Native students may also be strongly attached to large extended families back home, and these families can also draw on a student's time and energy.

Native Affairs encourages students to share common problems, to build a self-supporting community of shared interests and experiences. The existence of a coffee lounge especially for Native students helps students to meet and share problems. Rosamond McCue believes that the students can give each other support in more vital ways than even the well-qualified and experienced staff can, because the students are nearer to each others problems.

Although the staff members of the office work as a team, Jeannine Laboucane, as community liaison officer, is especially responsible for pre-admission counselling. Appointed only in December 1983, Ms. Laboucane has already been working closely with some of Edmonton's 22 Native organizations and

visiting junior high school students in more-distant locations. Her work in the next year will be increasingly concerned with visiting remote Native communities and letting school children know that people on campus care about their future. Jeannine feels that it is important to extend friendship to Native school children and give them hope for the future. She will be speaking mostly to junior high students, because the dropout rate for that age group is the highest. Already, Jeannine has met with hundreds of students in the High Prairie area. She finds that students expect her to know everything about further education and careers, not just about university education. But this doesn't daunt her; she says "meeting young people is the nicest part of the job."

Native students often have no role models within the university system because no one from their area has attended university. Jeannine, a Metis from Red River, Manitoba, can provide a role model in her own person, and she says that this is as important as dispensing information. Jeannine also feels that sometimes Native school children will open up to a Native counsellor in a special way. She cites the example of a student who had been written off by his school administration as lazy, but in counselling with her revealed very real concerns that were blocking his academic progress.

In the fall, Jeannine will be spending seven days a month travelling, visiting schools for Native students in Fort McMurray, Wabasca, High Level, Fort Chipewyan, Peerless Lake and other northern locations. Jeannine believes that contact between Native people will start the process of change. She remains optimistic about the future, stating that the projected enrollment for Native students at the U of A next year is 140.

Jeannine also shares the excitement of the rest of



**Rosamond
McCue**

"... we're here to help them help themselves."

the office over the General Faculty Council's recent acceptance of the concept of a School of Native Studies at the University of Alberta. The school would offer a BA in Native studies and would be a major research centre in the discipline. At the moment, non-Native students who have set career goals which will involve working with the Native people do not have a centre on campus to learn about Native culture. In that regard alone, a school of Native studies would be an asset to the whole community, she says.

With so many possibilities in the offing for Native people on campus, both non-Natives and Natives can understand Ms. Laboucane's remark, "It's a very good time for Native people now. It's both exciting and scary." ◁

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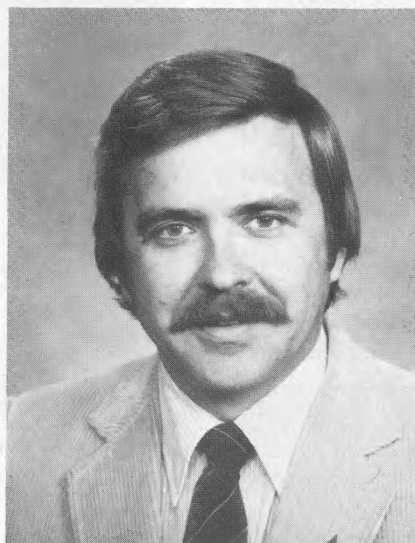
An Alumnus

Carl Blashko, '65 MD

HAD HE NOT CULTIVATED AN OPENNESS to new experience throughout his professional career, it is unlikely that Dr. Carl Blashko would have ever ventured behind the radio microphone.

"My first reaction was panic," recalls the Edmonton psychiatrist who over the past year has become well known to radio listeners in northern Alberta for his personal blend of advice, encouragement, and plain common sense, which he dispenses as a co-host of the program "That's Living", aired each weekday afternoon on CJCA Radio, Edmonton.

"That's Living" originated with CJCA's station manager Bob Lang and Psychiatrist Robbie Campbell in September 1982. It was the first radio show in Canada to feature counselling by a mental health professional using an open-line format. When Dr. Campbell moved to Toronto in May 1983, Dr. Blashko, who had at times substituted for his colleague, agreed to co-host the show on an alternating basis with Psychologist Dr. John Paterson, who has long been associated with the University of Alberta's department of educational psychology.



Carl Blashko, MD, hosts a radio program which features mental health education and counselling using an "open line" format.

A native of Andrew, Alberta, Carl Blashko entered the University of Alberta in an honors chemistry program, but with the idea that he would become a physician. It was while he was in medical school that he developed an interest in psychiatry, and in his fourth year he decided upon that specialty for a career. Following his graduation from medical school, he studied in New York for two years and then spent a similar length of time in Vancouver before moving back to "nice, stable Alberta" to set up a private practice in 1971.

While he welcomed the stability of Alberta as a place to raise a family, equally he guarded against becoming too set in his own life and career. "I've made it my practice to do something different in two year spans," he explains.

During the past decade or so that has led him to become involved with Westfield a diagnostic and treatment centre for disturbed children, to produce a film on aging (entitled *Gettin' On*, in 1977 it was recognized by the Alberta film industry with awards for best film, best producer, and best actor in the documentary classes), and to establish an in-house program to deal with behavioral problems at an Edmonton auxiliary hospital. And, of

course, it has led him on to the airwaves, although initially he found the idea "terrifying."

Dr. Blashko speaks of "That's Living" as serving three ends - educating the public about the facilities and services available to them, providing direct information to the caller about his illness or problem, and actually providing psychotherapy on the phone. That bare description, however, fails to convey the intensity of personal human turmoil that the show uncovers. The sincerity of the callers is striking. Often, it seems, it is only the anonymity of the phone that permits them to share their particular burden - even though they do so with as many as 25,000 persons listening; for "That's Living" is the top-rated show in Edmonton during its time slot.

Typically the show begins with a five to 10-minute introduction during which the host of the day introduces a topic. Then there is a commercial spot, after which calls are accepted. ("There's a tremendous amount of anxiety during that commercial. Will anybody call? But then five people are on the lines, and after I take the first call I am human again") There is no holding back on the topics. Some of Dr. Blashko's recent shows have dealt with transvestism, getting the most out of sex, and sexual disfunction in women, as well as tamer subjects such as insomnia, and controlling emotions.

Dr. Blashko says that he and Dr. Paterson are allowed complete freedom by the radio station. He speculates that this may be one of the reasons that he and his co-host have received such positive feedback from other health-care professionals and associations. "Even some very cynical individuals have been positive," says the psychiatrist. On a more personal level, he has found the show to be "a real nice growth experience."

"You are in the broadcast booth all alone," he says. "No one is there for you to turn to, and 25,000 people are listening.... You worry about mispronouncing a word or giving just the worst possible advice"

Dr. Blashko, it seems, enjoys challenges. ◁

We'd Like to Hear From You

New Trail welcomes your contributions. Let us know what you are doing now (see page 29) or send us memories from your days on campus or of someone associated with the University (see page 6).

Perhaps you would like to submit an article, or have suggestions for an article we might do. Or maybe you know of a graduate whose work in the visual arts we might feature in "Imagery" - maybe yours. The next New Trail advertising and copy deadline is July 2, 1984.

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Benjamin Chee Chee

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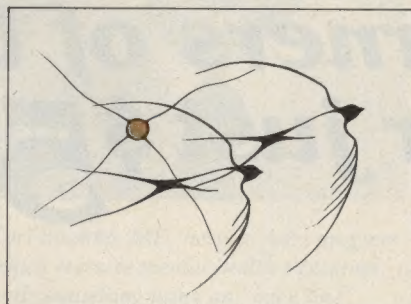
A Friends

A mainly self-taught artist, Chee Chee was a prominent member of the second generation of woodland Indian painters.

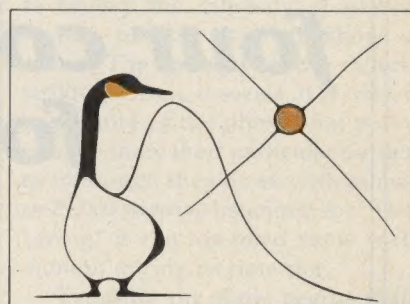
Unlike many of his contemporaries who employed direct and "primitive" means, Chee Chee's work was influenced by modern abstraction. His style reduced line and image in keeping with international modern art.

At the age of 32, at the height of his success, Chee Chee died tragically by suicide.

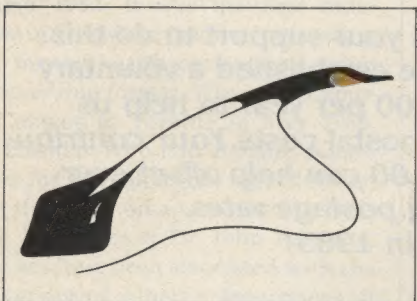
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B Swallows



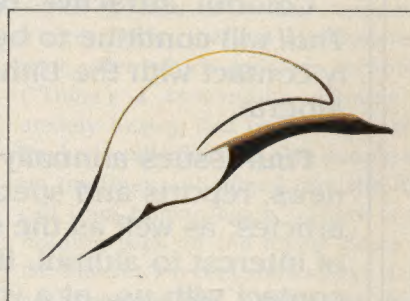
C Good Morning



D Proud Male



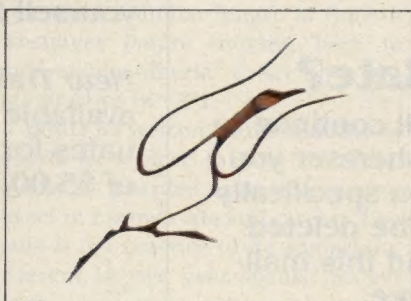
E Mother & Child



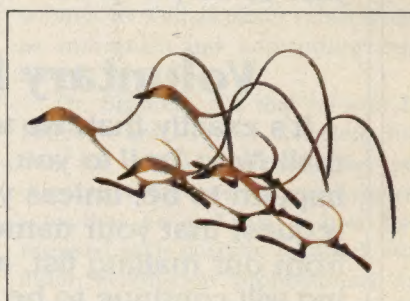
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